

Amdt. dated April 10, 2006
Reply to Office action of February 10, 2006

Serial No. 10/719,129
Docket No. TUC920030145US1
Firm No. 0022.0063

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims

1. (Currently Amended) A method for throttling data transfer, comprising:
determining an amount of resources that are in use;
when the amount of resources reaches a high threshold, notifying one or more primary control units to temporarily stop sending data by sending a message, wherein the one or more primary control units that are notified to temporarily stop sending data are selected based on which ones are using a largest amount of resources; and
when the amount of resources reaches a low threshold, notifying each previously notified primary control unit to resume sending data by sending a message.
2. (Original) The method of claim 1, wherein all primary control units are notified to temporarily stop sending data.
3. (Original) The method of claim 1, further comprising:
at a primary control unit, resuming sending data after a predetermined period of time has expired without receipt of notification to resume sending data.
4. (Original) The method of claim 1, further comprising:
when the amount of resources used is above a final threshold, re-notifying the one or more primary control units to temporarily stop sending data.
5. (Original) The method of claim 1, wherein at least one of the resources is a cache.
6. (Original) The method of claim 1, wherein the amount is measured by a percentage.

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7. (Currently Amended) The method of claim 1, wherein the one or more primary control units ~~that are notified to temporarily stop sending data are selected based on an amount of resources being used by each primary control unit~~ selected have not already received a message to temporarily stop sending data without a subsequent message to resume sending data.

8. (Original) The method of claim 7, further comprising:
maintaining information on the amount of resources being used by each primary control unit.

9. (Currently Amended) An article of manufacture including a program for throttling data transfer, wherein the program causes operations to be performed, the operations comprising:
determining an amount of resources that are in use;

when the amount of resources reaches a high threshold, notifying one or more primary control units to temporarily stop sending data by sending a message, wherein the one or more primary control units that are notified to temporarily stop sending data are selected based on which ones are using a largest amount of resources; and

when the amount of resources reaches a low threshold, notifying each previously notified primary control unit to resume sending data by sending a message.

10. (Original) The article of manufacture of claim 9, wherein all primary control units are notified to temporarily stop sending data.

11. (Original) The article of manufacture of claim 9, wherein the operations further comprise:

at a primary control unit, resuming sending data after a predetermined period of time has expired without receipt of notification to resume sending data.

12. (Original) The article of manufacture of claim 9, wherein the operations further comprise:

when the amount of resources used is above a final threshold, re-notifying the one or more primary control units to temporarily stop sending data.

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13. (Original) The article of manufacture of claim 9, wherein at least one of the resources is a cache.

14. (Original) The article of manufacture of claim 9, wherein the amount is measured by a percentage.

15. (Currently Amended) The article of manufacture of claim 9, wherein the one or more primary control units ~~that are notified to temporarily stop sending data are selected based on an amount of resources being used by each primary control unit~~ selected have not already received a message to temporarily stop sending data without a subsequent message to resume sending data.

16. (Original) The article of manufacture of claim 15, wherein the operations further comprise:
maintaining information on the amount of resources being used by each primary control unit.

17. (Currently Amended) A system for throttling data transfer, comprising:
means for determining an amount of resources that are in use;
means for when the amount of resources reaches a high threshold, notifying one or more primary control units to temporarily stop sending data by sending a message, wherein the one or more primary control units that are notified to temporarily stop sending data are selected based on which ones are using a largest amount of resources; and
means for when the amount of resources reaches a low threshold, notifying each previously notified primary control unit to resume sending data by sending a message.

18. (Original) The system of claim 17, wherein all primary control units are notified to temporarily stop sending data.

19. (Original) The system of claim 17, further comprising:

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at a primary control unit, means for resuming sending data after a predetermined period of time has expired without receipt of notification to resume sending data.

20. (Original) The system of claim 17, further comprising:

when the amount of resources used is above a final threshold, means for re-notifying the one or more primary control units to temporarily stop sending data.

21. (Original) The system of claim 17, wherein at least one of the resources is a cache.

22. (Original) The system of claim 17, wherein the amount is measured by a percentage.

23. (Currently Amended) The system of claim 17, wherein the one or more primary control units ~~that are notified to temporarily stop sen data are selected based on an amount of resources being used by each primary control unit~~ selected have not already received a message to temporarily stop sending data without a subsequent message to resume sending data.

24. (Original) The system of claim 23, further comprising:
means for maintaining information on the amount of resources being used by each primary control unit.